



2003 Ozone Summary for New Hampshire

- There are currently two health-based standards in effect for ozone in ambient (outdoor) air: a one-hour standard and an eight-hour standard. The one-hour standard is **120 parts per billion for a one-hour average**. The eight-hour standard is **80 parts per billion for an 8-hour average**. An area is “exceeding” the standard if any one-hour average or eight-hour average measured during the day at an air monitoring station in the area goes above the standard. (Numbers are rounded to the nearest factor of 10 for comparison to the standard.)
- EPA is proposing to phase out the one-hour standard in favor of the more stringent, more health protective eight-hour standard.
- New Hampshire operates numerous air monitoring sites throughout the state to measure ozone levels (and other pollutants as well) in the ambient air. The information is used to issue health advisories when necessary and determine compliance with the one-hour and eight-hour standards. In 2003, several additions and changes were made to the ozone-monitoring network in an effort to improve and consolidate operations. These changes include:
 - Nashua: new monitoring station added at Gilson Road in July
 - Portsmouth: monitor moved from Port Authority to Peirce Island in June
 - Rye: new monitoring station added at Odiorne State Park in April
 - Brentwood: monitor removed in April
 - Pittsburgh: telemetry data available beginning in April
 - Conway: monitor removed in December, 2002
 - Mt. Washington: telemetry data available beginning in April

1-Hour Ozone Exceedances During 2003 (>120 ppb standard) - None

Maximum 1-Hour Ozone Concentrations

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Manchester	June 29	89
Keene	June 29	89
Rye	June 27	105
Claremont	June 29	91
Nashua	June 26	101
Concord	June 29	89
Portsmouth	July 8	97
Rochester	June 29	101
Laconia	June 29	90
Haverhill	June 29	93
Pittsburgh	July 4	73
Camp Dodge	April 15	84
Miller State Park	June 29	89
Mt. Washington	June 23	93

8-Hour Ozone Exceedances During 2003 (>80 ppb standard) - One

<u>Date</u>	<u>Site</u>	<u>Concentration (ppb)</u>
June 29	Nashua	85

Maximum 8-Hour Ozone Concentrations

<u>Site</u>	<u>Date</u>	<u>Concentration (ppb)</u>
Manchester	June 26	79
Keene	June 29	81
Rye	June 27	81
Claremont	June 29	84
Nashua	June 29	85
Concord	June 29	76
Portsmouth	July 3	82
Rochester	July 3	79
Laconia	April 15	84
Haverhill	June 29	82
Pittsburgh	April 29	68
Camp Dodge	April 15	78
Miller State Park	June 29	83
Mt. Washington	June 27	79

For daily air quality forecast information:

www.airquality.nh.gov

1-800-935-SMOG

New Hampshire – Doing Our Share for Clean Air!

*Note: All values are unofficial pending full QA/QC evaluation

Updated 9/24/2003
T:Transfer/ozone events 2003